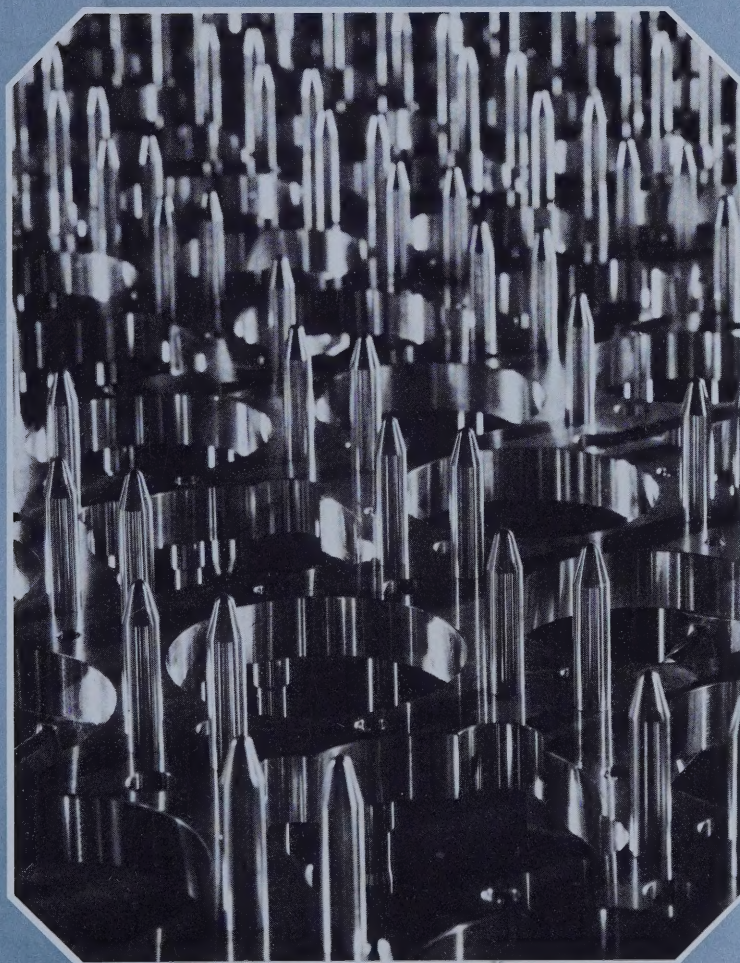


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Sulzer Bros. (Canada) Ltd.

1976



Sulzer Bros. (Canada) Ltd. 1976

Heavy water

We further widened our base in heavy water rectification equipment by receiving orders from Canatom for the La Prade finishing unit and from Hydro-Quebec for the upgrader for the Gentilly II Nuclear Power Station. The finishing unit at AECL Glace Bay heavy water plant has assumed production and the first one in the Bruce heavy water plant is in its final testing stage. We are also quoting heavy water upgraders with Canadian content to foreign countries. An extensive study for a 70 ton per year heavy water plant based on Canadian manufacture pinpointed environmental and economic advantages for the AECL-SULZER methylamine process. Negotiations for this project will be actively resumed in 1977.

Hydraulics

The interest in the low-head Straflo Turbine with its separately supported rim generator has been very favourable and we have received an order for an extensive study of a Straflo application from Manitoba Hydro for two sites on the Winnipeg River.

Marine

The worldwide shipbuilding slump in 1976 has also seriously affected Canadian shipyards and no significant orders were placed with them during the year. Davie Shipbuilding and Saint John Dry Dock each delivered two more product carriers during the year, all fitted with Sulzer RND76-type engines.

Valves

We have made further inroads into the power generation market by receiving a \$1.3 million order from Ontario Hydro for the high-pressure bypass and steam conditioning systems for all four units of a new coal-fired power plant. The procurement of the earlier received order from Hydro-Quebec for the high-pressure bypass valves for Gentilly II is progressing satisfactorily.

Castings

We have received another substantial order from Howden Parsons for three sets of turbine low-pressure inner cylinders, this time for the Korean Candu reactor. We are also actively pursuing the application of our nodular cast iron to replace cast steel in other applications where its lower weight and cost, and its greater flexibility, make it an ideal working material.

Compressors

During the year, the order intake was satisfactory with a total of 31 machines ordered including liquid-ring vacuum pumps for pollution control and 3,000 hp oxygen compressors. The prospects are good for 1977 particularly in the turbocompressor field.

Gas turbines

Our latest 7,100 hp industrial gas turbine capable of burning heavy oils has found great interest and we hope to introduce this to the petrochemical industry in 1977. We are also offering shock-proof gas turbines to the power utilities for emergency use in nuclear power stations.

Textiles

With the investment climate in the primary textile industry still depressed, our department worked closely with Canadian mills, where more than 950 Sulzer weaving machines are now installed, to increase their performance and extend their application range. The first of the new Sulzer weaving machines with large projectiles, developed especially for coarse yarns, has been successfully started up on heavy industrial filament fabrics.

Paper

The Escher Wyss equipment we supplied for handlined secondary fibres is operating most successfully at the board mills of Kruger in Montreal, and the Reed Linerboard Mill in Mississauga. Unfortunately, the startup of a similar stock preparation system and board machine at Belkin Paperboard in Burnaby, B.C., was accompanied by difficulties and modifications have been put in hand to reach the required performance. The prospects remain good for further business particularly in the tissue, fine paper and board fields, where we have demonstrated the ability for secondary fibres to replace virgin pulp.

Evaporators

Arrangements were made during the year to have Escher Wyss evaporators manufactured in Canada. Good prospects exist that caustic soda evaporators will be supplied to C.I.L. should the expansion of their Becancour, Quebec, plant be authorised in 1977.



Our increased emphasis on equipment for power generation and energy related projects allowed us to increase our order intake over that of the previous year, but due to lack of new orders for shipbuilding and for the textile industry, we did not reach the record achieved in 1974.

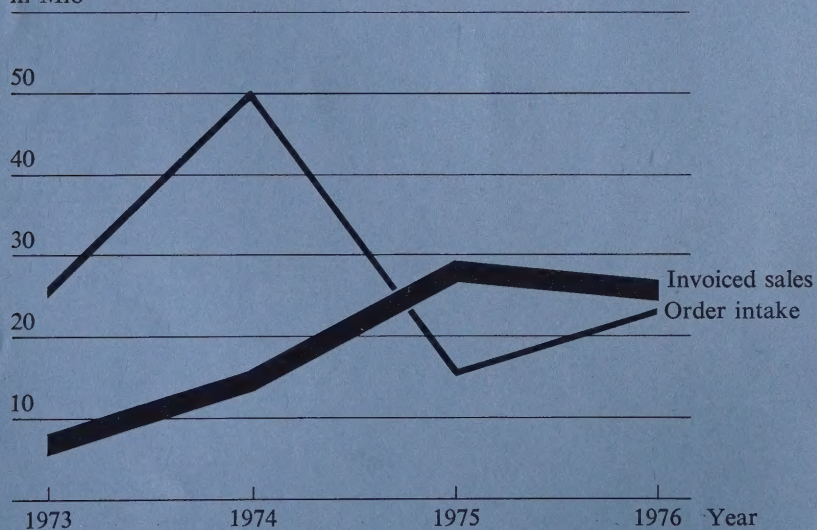
		1975	1976
Order Intake	\$ Mio.	16	23
Invoiced Sales	\$ Mio.	29	25

Invoiced sales fell short of our expectations due to some deferred deliveries caused by slowdown in the nuclear programme and in the shipyards. This has deferred some of our profits leaving us, in 1976, with a small loss.

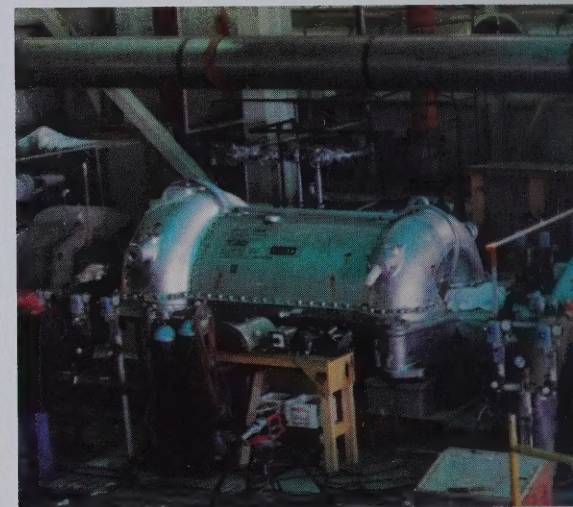
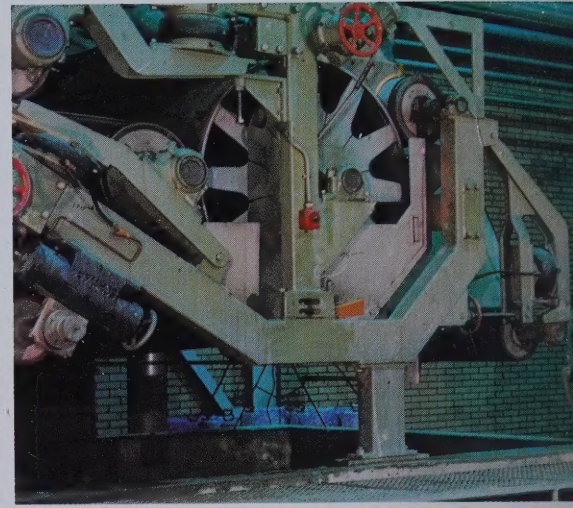
Equipment and services supplied from Canadian sources amounted to 30% of our invoiced sales.

Invoiced Sales and Order Intake 1973-1976

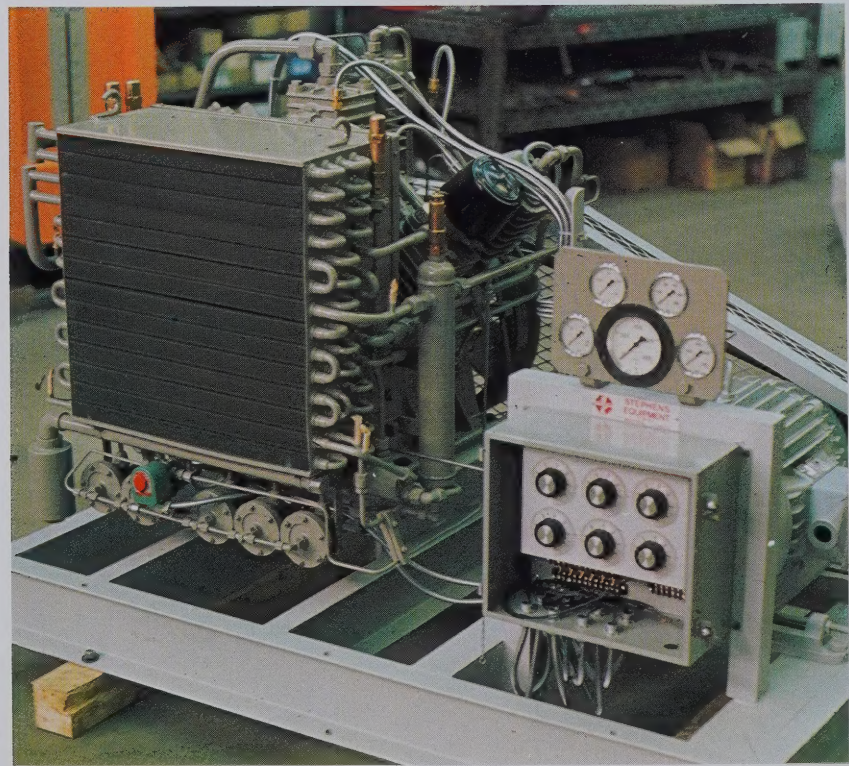
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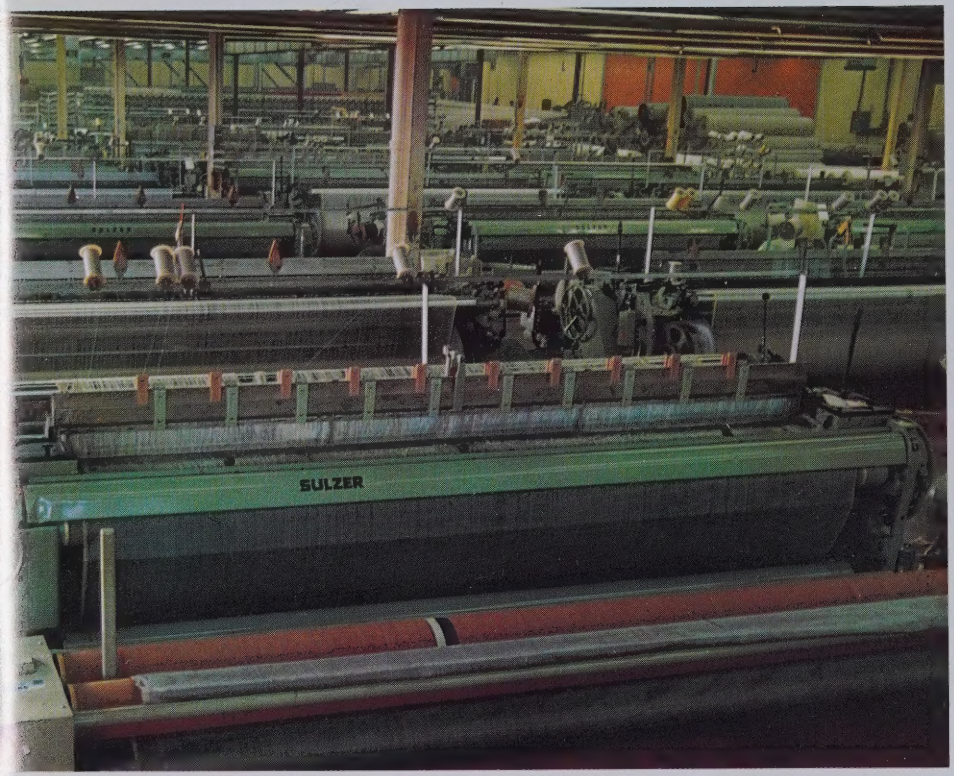
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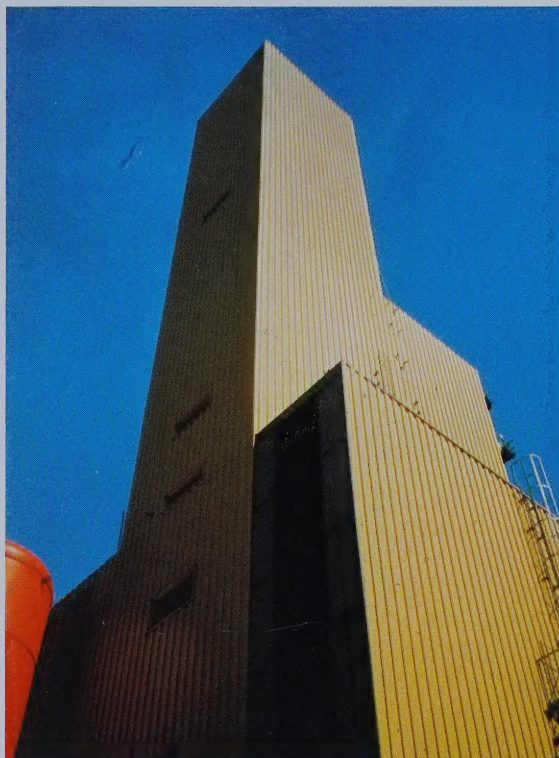
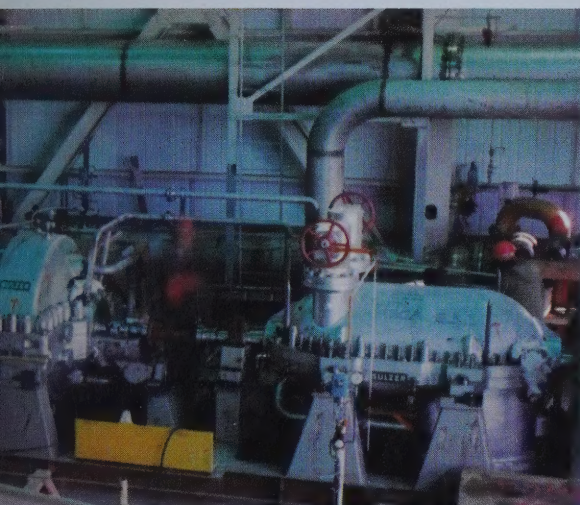
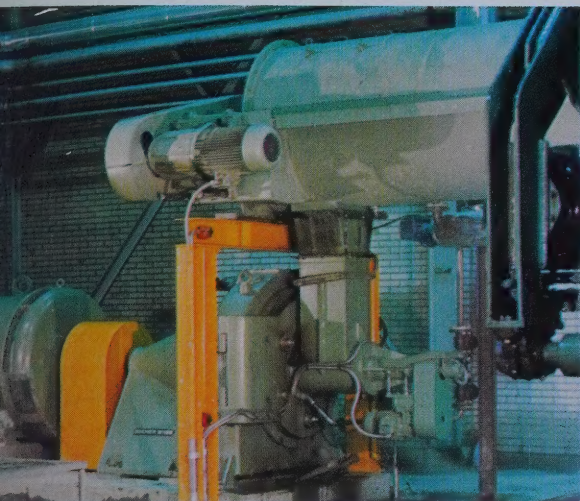


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- 1 *Sulzer weaving machines producing polypropylene carpet backings and polyolefin fabrics at Dominion Textile's Fiberworld plant in Hawkesbury, Ontario.*
- 2 *Sulzer Burckhardt 5-stage, 5,000 psi, air-cooled compressor, one of 50 packaged by Stephens Equipment Ltd., St. Laurent, Quebec, for circuit breaker air system of the utilities in British Columbia, Ontario and Quebec.*
- 3 *Escher Wyss disperger plant for the processing of recycled paper. Three major Canadian mills utilize this process to provide a total of 700 tpd of speck free raw stock for the manufacture of packaging papers.*
- 4 *16,000 hp Sulzer compressor-expander train nears completion in the Canadian Industries Limited nitric acid plant in Carseland, Alberta.*
- 5 *M.T. «Delores Swann», 38,200 dwt product carrier, delivered by Saint John Shipbuilding and Dry Dock Co., in December 1976, to Swann Oil Inc., Philadelphia, powered by a Yugoslav licensee-built Sulzer 6RND76 engine developing 12,000 bhp.*
- 6 *Sulzer heavy water finishing unit to concentrate heavy water from 30% to 99.8% purity at the Bruce heavy water plant being built by Lummus Company of Canada Limited for Ontario Hydro.*

SULZER

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